

cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA 93407

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MUSIC

TWO NEW DEPARTMENT HEADS

Bessie R. Swanson will begin her new duties as head of the Music Department at Cal Poly on Sept. 1. Dr. Swanson, currently chair of the Music Education Department and professor of music at University of Michigan, Ann Arbor, was appointed by President Robert E. Kennedy on the recommendation of Jon M. Ericson (dean, Communicative Arts and Humanities) after receiving the recommendation of the faculty search committee. Dr. Swanson will succeed Alexander A. Capurso, head of the Music Department since 1973, who will retire.

The new department head began her career in California where she studied at Visalia Junior College, Stockton Junior College, and University of California, Los Angeles. She received her Bachelor of Arts and Bachelor of Music Degrees from University of the Pacific in 1943. Dr. Swanson went on to earn graduate degrees, including a Master of Arts in music from University of the Pacific and a Doctor of Musical Arts (music education) from Stanford University.

She taught in the Visalia Public Schools and earned three California teaching credentials: The California State Special Supervisory Credential (Music), the General Secondary Credential, and a Special Secondary Credential (Music). The new Cal Poly department head continued her teaching career at University of Washington, the Sacramento County Schools, and University of Michigan. In addition to her career in music education, Dr. Swanson has studied the violincello with a number of noted international masters, and is an accomplished performer on that instrument. She has also studied choral music and conducting.

The new music department head is the author of four books: "Music in the Education of Children" (1961); "Planning Music in the Education of Children" (1965); "Music Fundamentals for College Students" (1977); "An Analysis and Evaluation of Individual Creative Melody Writing by Seven-Year-Old Children" (1967). The first three books are published by Wadsworth Publishing Company, Belmont, Calif., and the last by Stanford University. She has also authored a number of articles in professional and technical magazines.

CHEMISTRY



William Rife will become the new head of the Chemistry Department at Cal Poly, beginning Sept. 1. President Robert E. Kennedy announced the appointment and stated that his selection was based on the recommendation of William C. Langworthy (Dean, Science and Mathematics) and the recommendation of a departmental search committee.

Dr. Rife most recently has been chairman of the Division of Humanities at North Central College in Naperville, Ill. The new department head received his Bachelor of Arts Degree in chemistry from North Central College in 1956. He earned the Doctor of Philosophy Degree in organic chemistry, biochemistry, and ceramic engineering from University of Illinois in 1960. He also did graduate study in law at the University of Toledo Law School and was named a National Science Foundation Fellow of the Institute on History and Philosophy of Science at American University in 1969.

Since leaving North Central College, in 1975, Dr. Rife has been examining interdisciplinary and multidisciplinary studies in higher education as a National Endowment for the Humanities Senior Fellow at Pennsylvania State University. In addition to his experience in chemical higher education, Dr. Rife was also a patent scientist for the Owens-Illinois Corporation in Toledo, Ohio, and has held a number of fellowships to study curriculum development in the physical sciences.

Dr. Rife is a member of the American Association for the Advancement of Science, the American Chemical Society, the American Institute of Chemists, and the Philosophy of Science Association. He is listed in American Men and Women of Science, the Directory of American Scholars, Outstanding Educators of America, and Who's Who in Midwest.

April salary warrants for faculty and staff of the university will be available at 3:30 pm on Friday (Apr. 29), the last day of the pay period. Warrants batched by department may be picked up at the Cashier's Office, Adm. 131-E, and those picked up on an individual basis may be picked up in the Business Affairs Division Office, Adm. 114, after that time.

CHARLIE BROWN AND FRIENDS COMING



The Peanuts gang will step out of the comic strip and onto stage for the comedy, "You're A Good Man, Charlie Brown," at Cal Poly. The musical, the third production of the season by the Speech Communication Department, will be presented at 8 pm on Thursday, Friday, and Saturday (May 12, 13, and 14) and Thursday, Friday, and Saturday (May 19, 20, and 21) in the Cal Poly Theatre. A special matinee is scheduled at 2 pm on Sunday (May 15).

"The play is a series of comic strip vignettes in Charles Shultz style," explained Michael Malkin (Speech Communication) the play's director. "If you like the Charlie Brown comic strip, you'll like the play," Dr. Malkin said.

Playing the lead role of luckless, but loveable Charlie Brown in the Cal Poly production of Clark Gesner's adaptation of the popular comic strip is Dan Smith, a senior animal science major. Sharing the stage with Smith is Cynthia Strain, a former Cal Poly student from Arroyo Grande, who plays the brash and boisterous Lucy, and Don Potter, a former Cal Poly student now working as a disc jockey in San Luis Obispo, as Snoopy.

Also in the musical are Ed Cardoza, a biological sciences major from San Luis Obispo as the piano playing Schroeder; David Critchlow, a speech communication major as the blanket-toting Linus; and Elaine Hammermaster, a graphic communications major as tomboyish Pettermint Patty. Assisting Dr. Malkin are Karen Brosi, as stage manager and Heather Kirk, as assistant stage manager.

Tickets for the performances of the musical, priced at \$3 for general admission and \$2 for students, go on sale Monday (May 2) at the University Union ticket office. They will also be available at the Cal Poly Theatre Box Office prior to each performance.

FINAL FIRST WEEKEND PROGRAM

Bernice Loughran (Art) will lecture on "Creativity and the Flow Experience" at Cal Poly on Sunday (May 1). Scheduled as part of the First Weekend Program Series, the lecture will begin at 7:30 pm in University Union 220. Admission will be free and the public is invited. Dr. Loughran explains flow experience as being when the creative drive "becomes almost a trance state where one is not processing material consciously. The person finds the experience challenging, interesting, exciting. The person enjoys doing the task because of its intrinsic rewards, and hates being interrupted or taken away from the task." The audience will be encouraged to join in a discussion that will follow the presentation. This Sunday evening's program will be the last of the First Weekend Program Series for 1976-77. The series is a continuing presentation of the School of Communicative Arts and Humanities.

TEMPORARY FACULTY INPUT ASKED

A California State University and Colleges Systemwide Task Force has been established to review the working conditions, rights and privileges of faculty on temporary appointments, *both full and part-time*. This task force is composed of representatives of CSUC faculty and administration. To pursue its deliberations, the task force would like to secure written comments and suggestions from faculty on temporary appointments concerning their experiences related to employment on a CSUC campus.

Such comments should be addressed by May 15 to:

Task Force on CSUC Faculty with Temporary
Appointments
Office of the Chancellor
400 Golden Shore, Suite 222
Long Beach, California 90802
Attention: Dr. Dorothy Miller

Also, any faculty member desiring to meet with the task force for an interview should contact Dr. Dorothy Miller, (Faculty and Staff Affairs), ATSS 8-635-5605; she will try to schedule an interview with the task force at one of its meetings.

KENNEDY APPOINTED TO NATIONAL COMMISSION

Cal Poly President Robert E. Kennedy, has been elected as an advisory commissioner of the Education Commission of the States. He will represent the American Association of State Colleges and Universities as a nonvoting commissioner for a period of one year. The commission, with headquarters in Denver, Colo., is a nonprofit organization formed by interstate compact to further working relationships among governors, state legislators, and educators for the improvement of education at all levels.

Dr. Kennedy has served on a number of state and national bodies concerned with higher education and career education, including the American Association of State Colleges and Universities. In addition to having served on several AASCU committees during that time, he was a member of its Board of Directors from 1969 and 1974.

NATIONAL DISASTER SURVIVAL TEST ON TV

The National Safety Council is cooperating in the production of the "National Disaster Survival Test." The Governor's Safety and Rehabilitation Program recommends this program which will be shown locally on KSBY Channel 6 (Cable 4), from 8 pm to 9:30 pm on Sunday (May 1). The program will dramatize and communicate information about how to survive a disaster, according to Donald Van Acker (Occupational Safety and Health Officer). Emphasis will be on prevention of accidents that occur during disasters. Free official Test Forms are available at the Personnel Office, Adm 110.

ANNUAL FFA EVENTS COMING



More than 1,000 members of the California Association of Future Farmers of America will be on hand for the 49th annual convention of the association at Cal Poly Wednesday through Friday (May 4-6). A special visit from Fred McClure, past national FFA secretary and currently the student body president of Texas A&M University, will be a highlight of the convention session.

The three-day meeting will include business sessions, the selection of state farmer degree recipients, special award programs, a banquet, and the election of new officers for the California Association. Following the convention session, nearly 1,800 FFA members will participate in the state finals judging competition at Cal Poly on Saturday, (May 7).

The convention sessions will open at 1 pm on Wednesday (May 4) when President Robert E. Kennedy, will greet the delegates. The Western Region vice president of FFA, Julie Smiley, also will speak during the opening session. Glenn Tyson, president of FFA's Arizona Association, and Shawn Skiles, president of the Oregon Association, will greet the delegates during the session on Thursday (May 5).

The annual banquet of the California Association will be held on Wednesday, (May 4) at 7 pm, and the awards presentation will be held on Thursday (May 5), at 7:30 pm. All sessions of the convention will be held in the Chumash Auditorium. Participants in the state finals judging will compete in 19 separate contests, with the awards to be presented in the Physical Education Gymnasium at 5 pm on Saturday (May 7).



Typewritten copy intended for the next issue of *Cal Poly Report* must be received prior to 12 noon on Monday (May 2) in the Public Affairs Office, Adm. 125. Copy intended for *Cal Poly Dateline* is due in the Public Affairs Office by 12 noon on Wednesday (May 4).

WHO...WHAT...WHERE...WHEN

John F. Harrington, English, has had his book, *"Film and/as Literature,"* published by Prentice-Hall, Inc. It is the first textbook to collect the work of the major theorists who have studied the relationships between film and literature. The text is intended for use in interdisciplinary courses in film and literature.

Lee R. Parker, Biological Sciences, attended the annual Cordilleran section meetings of the Geological Society of America in Sacramento, Apr. 5 to 7. He presented a paper on a new species of fossil redwood entitled *Sequoia cuneata, n Upper Cretaceous redwood from the fresh water coal-forming environments of central Utah.*

Nell E. Langford, Psychology, and **Norman C. Murphy, Counseling Center**, presented a paper titled, *Psychological Factors and Overweight*, at the Mar. 11-13 meeting of the California Psychological Association in Los Angeles. The paper reported findings of research conducted Fall Quarter 1976 with general psychology students at Cal Poly.

Edgar J. Carnegie, Agricultural Engineering, attended a workshop at the University of Maryland the last week in Mar. to review and draft a national research and development program plan in the area of solar energy as applied to agriculture. The workshop was sponsored by Lawrence Livermore Laboratory and the Energy Research and Development Administration (E.R.D.A.).

William D. Curtis, Psychology, Had an article published in the recent issue of the *Journal of Altered States of consciousness* titled, *A Comparison of Heart Rate, Respiration, and Galvanic Skin Response, Among Meditators, Relaxers, and Controls*. The research was done with a former Cal Poly student, Harold W. Wessberg.

Jack R. Lewis, Architecture & Environmental Design, has been retained as a consultant to the California Department of Industrial Relations, Division of Labor Statistics and Research. He will work in the evaluation of production by apprentices and journeymen craftsmen on several labor-contractor projects now being formed in Los Angeles and Oakland.

POLY ROYAL WINNERS ANNOUNCED

A multi-faceted exhibit including floral designs, landscape plots, and flower displays won the sweepstakes award for department exhibits at the 45th annual Poly Royal on Friday and Saturday (April 22-23). Prepared by students in the Ornamental Horticulture Department, the exhibit topped a field of seven finalists in the competition, including the outstanding exhibits from each of the university's instructional schools.

Also awarded were three other awards recognizing the most educational and most original exhibits and the one best representing the theme of the annual campus festival -- "Struttin' Our Stuff." Winners were:

Most Educational Exhibit -- Chemistry Department
Most Original Exhibit -- Home Economics Department
Best Use of Theme -- Graphic Communications Department.

The outstanding departmental exhibits in the respective instructional schools at Cal Poly were:

School of Agriculture and Natural Resources -- Ornamental Horticulture Department
School of Architecture and Environmental Design -- American Institute of Architects (Arch. Program).
School of Business -- Society for the Advancement of Management (Business Administration, Accounting, and Management Departments).
School of Communicative Arts and Humanities -- Graphic Communications Department.
School of Engineering and Technology -- American Society of Mechanical Engineers (Mechanical Engineering Department).
School of Human Development and Education -- Home Economics Department.
School of Science and Mathematics -- Chemistry Department.

Departmental exhibits were featured attractions during the Poly Royal open house, which also included concerts, art and fashion shows, athletic events, livestock judging, a carnival, and a high school mathematics contest. More than 100,000 persons visited the Cal Poly campus during the two-day festival.

CANDIDATES FOR FACULTY POSITIONS BEING SOUGHT

Candidates for positions on the faculty of the University are presently being sought, according to Donald L. Shelton, Director, Personnel Relations. Those interested in learning more about the about the positions are invited to contact the appropriate dean or department head. This University is subject to all laws governing affirmative action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendment Act. All interested persons are encouraged to apply.

Lecturers, \$4,128-\$5,440/quarter, salary quoted is for full-time and will be adjusted according to assignment. Foreign Languages Department, School of Communicative Arts and Humanities. Part-time positions available for Summer Quarter 1977 and 1977-78 academic year, and may vary from one quarter to yearly basis depending on enrollment and budget allowance. Duties include teaching one or possibly more sections of elementary and/or intermediate French, German, Spanish, Chinese, and Japanese. M.A. desired, with preference given to those with experience. Closing date: May 16, 1977.

Lecturer, \$4,524-\$5,440/quarter, dependent upon qualifications, Biological Sciences Department, School of Science and Mathematics. Doctorate and experience in cytology and zoology. Duties: teach cytology lecture and laboratories and general zoology laboratories. Temporary full-time position available for Summer Quarter 1977 only. Closing date: May 31, 1977.

SUPPORT STAFF VACANCIES

Vacant support staff positions have been announced by Robert M. Negranti, Staff Personnel Officer. Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, Ext. 2236. Applications shall be on official forms. Contact the Personnel Office to obtain an application. This University is subject to all laws governing affirmative action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendment.

Medical Officer III, (Medical Director), \$34,692-41,988/annually for 12-month appointment, Health Center, Student Affairs Division. Duties: plan, organize and direct an extensive university health service. Requirements: M.D. degree from an accredited college or university; possession of the legal requirements to

practice medicine in California as determined by the California Board of Medical Quality Assurance; at least three years experience in the practice of medicine exclusive of internship. Preference will be given to candidates with experience in the administration of a group or clinic practice, or graduates of the Management Seminar for University/College Health Services. Closing date; June 16, 1977.

OFF-CAMPUS POSITION VACANCIES

Information on the administrative position vacancies listed below can be obtained from the Placement Office, Adm. 213, Ext. 2501:

Office of the Chancellor - State University Dean, Faculty and Staff Affairs (\$30,216 - \$36,552). Earned doctorate or equivalent advanced study/experience and five years of responsible academic-administrative experience in planning, developing, implementing, and administering a complex academic program or a personnel management program in an institution or system of higher education required.

California State University, Hayward - Dean, School of Arts, Letters and Social Sciences (\$28,332 - \$34,260 depending upon experience). Terminal degree and a record of scholarly activity appropriate to the position required; teaching and administrative experience at the collegiate level important. Deadline: May 17, 1977.

Pitzer College - Director of Public Relations (salary commensurate with qualifications and experience). Bachelor's degree and minimum of three years experience in public relations and/or public information required; journalism background and working knowledge of publications and special events coordination desirable. Deadline: May 15, 1977.

San Jose State University - Director of Athletics for Women (\$21,500 - \$30,500 depending upon experience). Experience in intercollegiate athletics, ability to work easily and harmoniously with a variety of groups and individuals, and qualities of leadership required; advanced academic degree and academic administrative experience desirable. Deadline: May 16, 1977.

WHO...WHAT...WHEN (continued)

Dwayne G. Head, James L. Webb, Thomas J. Lee, F. Stuart Chestnut, and James M. Quinn, all Men's Physical Education, attended the California Association for Health, Physical Education and Recreation Convention in Anaheim, Apr. 1-3. Topics covered in the convention included health, dance, recreation, research, adapted physical education, and elementary physical education.

Lloyd N. Beecher, Edward L. Mayo, and Max E. Riedlsperger, all History, attended the Conference on Teaching History sponsored by the American Historical Association and the Society for History Education at California State University Long Beach, Apr. 1-3.

Issac N. Walter, English, read a paper in the *New Approaches to Shakespeare*, session at the national convention of the College English Association, meeting jointly with the conference of College Teachers of English, in San Antonio, Tex., Mar. 31-Apr. 2. Dr. Walker's paper, *The Function of the Fool in King Lear*, received the Robert A. Law Memorial Award for the year's best paper at the convention on Shakespeare and will be printed in the *C.C.T.E. Proceedings*.

Robert Reynolds, Art, attended an invitational wildlife art exhibition sponsored by the Safari Club International, held in Las Vegas. Each artist donated one painting to be auctioned with the proceeds donated to wildlife conservation. Reynolds' painting was auctioned at \$1000.

Joanne B. Ruggles, Architecture and Art, has been notified by southern Utah State College that one of her serigraphic prints has been selected to hang in the college's Braithwaite Fine Arts Gallery Thirty-sixth Annual National Art Exhibition during the month of Apr.

George M. Lewis, James E. Delany, Stephen Kenton, and Stuart Goldenberg, all Mathematics, attended the annual meeting of the Northern section of the Mathematics Association of America, held at San Francisco State University on Feb. 26.

George M. Lewis, H. Bernard Strickmeier, Kempton L. Huehn, H. Arthur DeKleine, Euel Kennedy, Raymond D. Terry, and C. Thomas Haskell, all Mathematics, attended the Southern section meeting of the Mathematics Association of America at Loyola University in Los Angeles, Mar. 11-12.

James Katekaru, Chemistry, has been awarded an AWU-ERDA Summer Fellowship. The title of his study will be *Determination of the Impact of the Release of Copper from Fossil Fuel and Nuclear Power Plants into the Freshwater and Marine Environment*, and the location will be Lawrence Livermore Laboratory.

Donald K. Maas, Education, was recently appointed to the Sexism and Reading Committee of the International Reading Association. The Committee attempts to stimulate awareness among its member (Approximately 68,000) of attitudes, practices, and materials which prompt and reinforce sex stereotyping.

encouraging notes

April 28, 1977

NEH - FELLOWSHIPS FOR INDEPENDENT STUDY & RESEARCH. Fellowships for Independent Study and Research are for scholars, teachers, and other interpreters of the humanities who have made or demonstrated promise of making significant contributions to humanistic thought and knowledge. Applications may come from college and university faculty members and from others who work in the humanities; they may come from persons with broad humanistic interests and from scholars working in specialties. The work undertaken with a fellowship may lie within the Fellow's special interest, or it may be work in some other field that will help him understand his own field better and enlarge his competence.

Applicants must have completed their professional training, but may otherwise be at any stage of their careers. Persons who have entered their professions without advanced degrees are eligible to apply, but degree candidates and persons seeking support for work leading toward degrees are not.

The scope of Endowment support includes, but is not limited to, the study of the following: history, philosophy, languages, linguistics, literature, archaeology, jurisprudence, history and criticism of the arts, ethics, comparative religion, and those aspects of the social sciences that employ historical or philosophical approaches. The Endowment continues its interest in studies of the relationships between human values and science and technology. DEADLINE: June 6, 1977.

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USOE - STATE IMPLEMENTATION GRANTS FOR PRESCHOOL AND EARLY EDUCATION FOR THE HANDICAPPED. Approximately 35 projects are expected to be funded during FY 1977 with an average funding level of between \$50,000 and \$100,000. Applications will be approved for a two-year period, with funding provided for the initial year. For information and application materials, contact: Division of Innovation and Development, Bureau of Education for the Handicapped, U.S. Office of Education, 400 Maryland Avenue, SW, Washington, DC, 20202. DEADLINE: May 13, 1977.

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FULBRIGHT-HAYS AWARDS FOR UNIVERSITY TEACHING AND ADVANCED RESEARCH. A June 1 deadline has been announced for applications for 1978-1979 awards in the American Republics, New Zealand, and Australia. Applications for Teaching and Research in Africa, Asia, and Europe must be received by July 1. For additional information, contact: Council for the International Exchange of Scholars, 11 Dupont Circle, NW, Suite 300, Washington, DC, 20036. (202) 833-4950.

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USOE - PUBLIC SERVICE INSTITUTIONAL GRANT. The closing date for the receipt of applications for public service institutional grants for the 1977-78 academic year has been set as May 19, 1977. The Office of Education will support 25 to 30 grants for projects to establish and improve public service program for graduate and professional students.

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OHD - REGIONAL SPECIAL PROJECT GRANTS. The Office of Human Development has set a deadline of May 31 for applications for FY 1977 Regional Special Project Grants. This program seeks to improve the coordination and quality of services provided for developmentally disabled persons, to provide technical assistance and training, and to facilitate the exchange of needed information. Eligible to apply are public and other nonprofit agencies and organizations, and institutions of higher education. Proposals may be submitted within the following five project areas:

- 1) COORDINATION OF STATE SERVICES PROJECTS - to establish a coordinated service delivery system for serving developmentally disabled individuals throughout a State or sub-State area.
- 2) PERSONAL AND LEGAL ADVOCACY PROJECTS - to provide technical assistance to States and regions in resolving problems in connection with the operation of Protection and Advocacy (P&A) systems; or develop evaluation techniques for State P&A systems; or develop curricula and provide paraprofessional, professional, and lay advocate training to work in the network of State P&A systems.
- 3) RECREATION AND LEISURE TIME PROJECTS - to develop explicit instructional procedures for training and implementing recreation and leisure time programs for persons with developmental disabilities in community or other settings.
- 4) RURAL POPULATION PROJECTS - to demonstrate effective methods for delivering individualized services to developmentally disabled persons living in sparsely populated areas.
- 5) TRAINING AND TECHNICAL ASSISTANCE PROJECTS - to develop and/or improve regional capacity for delivering training and technical assistance in State or local planning or administration for services to developmentally disabled people.

For further information and application materials, contact: appropriate regional Grant Management Office, Office of Human Development, in the 10 DHEW regional offices.

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USOE - MAY DATES FOR VOCATIONAL EDUCATION STUDIES. The U.S. Office of Education has set due dates in May for responses to the following three Requests for Proposals (RFP's) dealing with aspects of vocational/technical education:

- 5/18/77 RFP 77-34 TRIAL IMPLEMENTATION OF A MODEL SYSTEM TO PROVIDE MILITARY CURRICULUM MATERIALS FOR USE IN VOCATIONAL AND TECHNICAL EDUCATION - The project calls for a limited test of the Model System, developed from a study by the Center for Vocational Education, Ohio State University, to determine cost efficiency and effectiveness and linkages with existing information resources and demonstration/dissemination networks with outreach to local districts.
- 5/18/77 RFP 77-38 DESIGN FOR DEVELOPING BILINGUAL VOCATIONAL-TECHNICAL CURRICULA
- 5/20/77 RFP 77-28 FIELD TEST AND DISSEMINATE COURSE MATERIALS - which have been previously developed, for use at the secondary and post-secondary levels to prepare students for careers in current or future ownership and management of small businesses.

For copies of the RFP's, write, including a self-addressed gummed label with full RFP number at the bottom edge, to: U.S. Office of Education, Application Control Center, Room 5673, ROB #3, 400 Maryland Avenue, SW, Washington, DC, 20202.

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CALIFORNIA ARTS COUNCIL PROGRAMS 1977-1978:

6/1/77 ARTISTS IN SCHOOL AND COMMUNITIES - The primary purpose of this program is to re-integrate the artist, the community, and the school, so that by sharing resources, artists and organizations might construct a mosaic where creativity, instruction, and community come together in a holistic, fruitful way. Each Artists in Schools and Communities project will contain two basic components: (1) A resident artist, who contributes his or her creative services for a period of one year, within the context of an organization's activities. For such services, the artist will be paid a monthly salary of \$800. (2) Visiting artists, selected to complement the program of the full-time resident artist. Each project will have a modest budget to engage these artists on a consultant basis.

-- VISUAL ARTS ASSISTANCE - California Arts Council, in cooperation with the National Endowment for the Arts, has established a fund to assist visual artists in obtaining supplies for projects that will be exhibited in public places. The program closes when all available funds have been allocated. The awards will be made to those who meet the following criteria: (1) The projects must be for public art works that will be available for public display in municipal or state buildings and grounds. (2) The art can be any one of the following media: sculpture, painting and photography, murals and crafts (ceramic murals, works in fiber and wood). (3) Maximum initial awards will not exceed \$250.

9/1/77 SPECIAL PROJECTS - This program acknowledges the impossibility of pigeon-holing the creative process and leaves breathing space for art which is challenging and unfamiliar. Special attention will be given to art which seeks new ways to approach old problems or identifies new ones. Art which seeks and develops relationships from discipline to discipline, or from culture to culture, will also be encouraged.

Guidelines for the above programs are available for review in Administration 317.

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NSF - NATURAL RESOURCE SYSTEMS PROGRAM. A program of systems research and analysis of problems involving natural resources and resource policy has been established by National Science Foundation's Division of Advanced Energy and Resources Research and Technology. This program seeks to identify and define critical issues associated with development, management and utilization of natural resources. Sought are projects in: (1) alternative food resources; (2) water resource policy alternatives; (3) chemical feedstock alternatives; and (4) definition of new resource systems. There is presently no closing date for proposals; applicants may submit a brief preliminary proposal to determine relevance to the program. For more information, contact: Dr. Harold Spuhler, Resource Systems, Research Applications Directorate, National Science Foundation, 1800 G. Street, NW, Washington, DC, 20550. Telephone: (202) 632-5957.

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EXXON FOUNDATION - EDUCATIONAL RESEARCH & DEVELOPMENT. The Exxon Educational Foundation has set a deadline of June 1 for Educational Research and Development Projects. Supported are projects which will lead to wide improvement in instruction, administration, or physical facilities utilization in higher education. Three types of project activities receive support: (a) pilot projects, (b) developmental efforts, and (c) an examination or analysis of practices, trends, and developments in higher education. Projects should enhance the effectiveness of educational processes and must have the potential for benefiting a broad segment of higher education. Institutions must assure continuance of successful pilot and development projects after Foundation support has ended.

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NATIONAL INSTITUTE OF EDUCATION - STATE DISSEMINATION GRANTS. Applications for fiscal 1977 grants to state educational agencies under the State Dissemination Grants Program must be received by the NIE by June 1, 1977. Awards will be made for new special purpose capacity building dissemination grants and for continuing capacity building grants made in the fiscal years 1975 and 1976. Program information and application forms may be obtained from the Information and Communication Systems Division, Office of Dissemination and Resources, NIE, Room 711, 1200 - 19th Street, NW, Washington, DC, 20208. (202) 254-7930.

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DOT - STUDY OF TRUCK ACCIDENTS ON HILLS. Federal Highway Administration desires a study to: (1) develop a prototype grade severity rating system; (2) evaluate the cost-effectiveness of techniques for reducing the incidence and severity of truck accidents on steep downgrades; and (3) develop criteria for implementation of downgrade truck accident reduction techniques. For further information, contact: Department of Transportation, FHWA, Office of Contracts and Procurement, Washington, DC, 20590. Reference: RFP 370-7, due June 1, 1977.

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1977-1978 POSTDOCTORAL FELLOWSHIPS FOR RESEARCH IN SPAIN. Under the Agreement of Friendship and Cooperation between Spain and the United States of America, funds are available for ten postdoctoral fellowships for research in Spain during the academic year 1977-78. The Joint US-Spanish Committee for Educational and Cultural Affairs, which has been established to administer scholarly exchanges under the agreement, has asked the Council for International Exchange of Scholars to receive applications for the fellowships. Applications will be accepted in any of the following fields: Arts, education, humanities, law, mass communications, social sciences. DEADLINE: June 1, 1977.

Eligibility requirements: (a) U.S. citizenship, (b) PhD or equivalent, (c) sufficient competence in oral and written Spanish for proposed research.

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NEH - FELLOWSHIPS FOR INDEPENDENT STUDY AND RESEARCH. The National Endowment for the Humanities has set a deadline of June 1 for applications for 1978-79 Fellowships for Independent Study and Research. These fellowships, intended for scholars, teachers, writers, and other interpreters of the humanities, provide support for uninterrupted, full-time study or research. Fellowship stipends are designed primarily to replace salary lost through the taking of leave, and although allowances for travel are occasionally made, no special research expense allowances are made.

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